CLAIMS

1. An information processing apparatus comprising:

first extraction means for extracting a reproduction time from stream data;

second extraction means for extracting a reception time of said stream data;

computation means for computing a difference between said reception time and said reproduction time; and

adjustment means for adjusting a reproduction time on the basis of said difference.

2. An information processing apparatus comprising:

first extraction means for extracting an interval of reproduction time between packets of stream data;

second extraction means for extracting an interval of reception time between packets of said stream data;

computation means for computing a difference between said interval of reproduction time and said interval of reception time; and

adjustment means for adjusting a reproduction time on the basis of said difference.

3. The information processing apparatus according to claim 2, wherein said reproduction time is a time stamp.

4. The information processing apparatus according to claim 2, further comprising:

first accumulation means for accumulating intervals of reproduction time between a predetermined number of consecutive packets of said stream data to obtain a first time; and

second accumulation means for accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation means computes a difference between said first time and said second time.

5. The information processing apparatus according to claim 4, further comprising:

smoothing means for smoothing said difference between said first time and said second time.

6. The information processing apparatus according to claim 5, wherein said adjustment means adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing means provides a deviation equivalent to one clock.

7. An information processing method comprising the steps of:

extracting a reproduction time from stream data;

extracting a reception time of said stream data;

computing a difference between said reception time and said reproduction time; and

adjusting a reproduction time on the basis of said difference.

8. An information processing method comprising the steps of:

extracting an interval of reproduction time between packets of stream data;

extracting an interval of reception time between packets of said stream data;

computing a difference between said interval of reproduction time and said interval of reception time; and

adjusting a reproduction time on the basis of said difference.

9. The information processing method according to claim 8, wherein said reproduction time is a time stamp.

10. The information processing method according to claim 8, further comprising the steps of:

accumulating intervals of reproduction time between

a predetermined number of consecutive packets of said stream data to obtain a first time; and

accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation step computes a difference between said first time and said second time.

11. The information processing method according to claim 10, further comprising the step of:

smoothing said difference between said first time and said second time.

12. The information processing method according to claim 11, wherein said adjustment step adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing step provides a deviation equivalent to one clock.

13. A recording medium that is computer-readable and records a program for executing the control steps of:

extracting a reproduction time from stream data;

extracting a reception time of said stream data;

computing a difference between said reception time

and said reproduction time; and

adjusting a reproduction time on the basis of said difference.

14. A recording medium that is computer-readable and records a program for executing the control steps of:

extracting an interval of reproduction time between packets of stream data;

extracting an interval of reception time between packets of said stream data;

computing a difference between said interval of reproduction time and said interval of reception time; and

adjusting a reproduction time on the basis of said difference.

15. The recording medium according to claim 14, wherein said reproduction time is a time stamp.

16. The recording medium according to claim 14, said program further executing the control steps of:

accumulating intervals of reproduction time between a predetermined number of consecutive packets of said stream data to obtain a first time; and

accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation step computes a difference between said first time and said second time.

17. The recording medium according to claim 16, said program further comprising the control step of:

smoothing said difference between said first time and said second time.

18. The recording medium according to claim 17, wherein said adjustment step adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing step provides a deviation equivalent to one clock.

19. A program for making a computer execute the control steps of:

extracting a reproduction time from stream data;

extracting a reception time of said stream data;

computing a difference between said reception time and said reproduction time; and

adjusting a reproduction time on the basis of said difference.

20. A program for making a computer execute the control steps of:

extracting an interval of reproduction time between packets of stream data;

extracting an interval of reception time between packets of said stream data;

computing a difference between said interval of reproduction time and said interval of reception time; and

adjusting a reproduction time on the basis of said difference.

21. The program according to claim 20, wherein said reproduction time is a time stamp.

22. The program according to claim 20, said program further making a computer execute the control steps of:

accumulating intervals of reproduction time between a predetermined number of consecutive packets of said stream data to obtain a first time; and

accumulating intervals of reception time between said predetermined number of consecutive packets of said stream data to obtain a second time;

wherein said computation step computes a difference between said first time and said second time.

23. The program according to claim 22, said program further making a computer execute the control step of:

smoothing said difference between said first time

and said second time.

24. The program according to claim 23, wherein said adjustment step adjusts reproduction time information by adding a time equivalent to one clock to said reproduction time or subtracting said time from said reproduction time for each number of packets with which said difference between said first time and said second time smoothed by said smoothing step provides a deviation equivalent to one clock.